

ABSTRACT

METHOD OF REDUCING FRICTION DURING BALANCE CLIP ADJUSTMENT IN HARD DISK DRIVE AND SPINDLE MOTOR BALANCE PROCESS

[0029] A method of using a balance clip in a hard disk drive spindle motor for disk pack balance correction provides the balance clip with one end that is offset from the circular shape of the balance clip. The offset end is located opposite the precise bent tab that provides tooling engagement in the balance clip. The offset end of the balance clip is offset at a radius that is less than the radius of the balance clip, or at a lesser radial offset from the circular shape. The edge of the offset end does not make contact with the groove in which the balance clip is seated. This design eliminates scratching between the offset end and motor hub, and reduces friction and particle generation during clip adjustment in the disk pack balancing process.